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(54) Title: MASKED SOLID SUPPORTS

(57) Abstract: The present invention relates to methods for the manufacture of a masked solid support suitable for array analysis comprising the steps of: (i) providing a solid porous support suitable for array analysis having first and second surfaces, said solid porous support having channels extending from said first surface to said second surface; (ii) depositing at a predefined area on said porous solid support a polymeric material to said first surface, said polymeric material comprising a co-solvent so as to temporarily decrease the viscosity and/or rate of polymerisation of the polymeric material during the step of depositing; (iii) allowing said polymeric material to enter said channels of said solid porous support; (iv) removing said co-solvent by contacting said first surface with a wash solution and extracting the co-solvent/wash solution through said channels so as to restore the polymerisation rate of the polymer material within said channels, whereby a mask on said solid support is formed. The present invention further relates to solid supports manufactured by said methods and uses thereof.